Index

ability deficiency-related underconsumption, utilities 134–5
Abrahamson, P. 6, 34, 36
access problems, utilities 125–6, 144–5
Achtenicht, M. 20, 27
age, and distribution effects of mitigation policies 79
Agenda 21 379
agri-businesses, Australia 310–12
agro-exports model challenges to 221–3
historical perspective 206–8
socio-environmental impacts 215–20
and trade liberalization 211–15
agrochemicals, health impacts 215–20
Agyeman, J. 349, 357, 366
air pollution
and climate change 110–11
health impacts 111–12
and poverty 112–13
Alberta, community power sector 293–4
Altman, J. 319, 320
Amable, B. 39
Ambus, L. 288, 289
Amin, A. 275, 279, 295–6
Andersen, M.S. 152, 157, 160, 161, 162, 163, 172
Anderson, K. 62, 69
Angel Plan (1999), Japan 238, 239
Anglophone Canada, social policy 286–7
De Anima (Aristotle) 427–30, 434, 442
anti-social humanistic approaches 402, 403, 408
Apergis, N. 16
Aphekom project 191
Aranda, D. 220, 223
Argentina challenging market liberalization 221–3
socio-environmental costs of agro-export model 215–20
soya bean production 211, 212–15
values and percentages of largest-earning exports 213–14
Aristotle 405
and capabilities approach 420–22
critiquing teleology 430–36
and teleology 422–30
Ariyo, A. 208
Aswathanarayana, U. 20, 32
atomistic approach 423, 424, 425–6, 427, 429, 433, 438, 439, 444
auctioned emission permits 25, 65–6, 67–8, 69, 333
Auld, G. 359
Aurand, A. 105, 109
Australia green growth 16
impacts of water markets on rural communities 308–14
indigenous rights in National Water Initiative 319–20
market-based biodiversity conservation programmes 304
shift to market-based instruments 321–3
water policy reforms 305–7
water pricing 130, 131
water pricing signals in urban sector 314–18
Austria climate change mitigation policies 54
housing and heating allowances 48–9
water pricing 130, 131
welfare regime 34
Aylon, E. 219, 220
Balzarova, M.A. 351, 362
Baranzini, A. 66, 68
Barbier, E. 4, 11, 14, 194
Barde, J.P. 162, 167
Bardt, H. 123, 143

451
bargained interaction 330, 335, 337
  effect on EU climate change policies 338–9, 340–42, 346
Barker, T. 66, 67, 68, 69, 86, 87
Barnes, P. 65, 69
Barnett, M. 315, 369
Barnosky, A.D. 274
Barr, C. 217, 218, 219
Barry, J. 194, 275, 276, 283
Baumol, W.J. 264
Beck, U. 367, 409
Becker, R.A. 13, 16
Beder, S. 12
Belgium
  climate change mitigation policies 54
  housing and heating allowances 48–9
  water pricing 130, 131
  welfare regime 34
Bell, K. 258, 261, 266
Bellamy Foster, J. 261, 263, 264, 266
Ben-Shlomo, Y. 112, 113
Bendell, J. 353, 363
Benthamite Utilitarianism 421–2, 437, 441
Benton, T. 411
Besley, T. 255
Big Carrot, Toronto 291
Billa, G. 123, 146
Bina, O. 18, 19
biological teleology 427–30
biotech industry, Cuba 266–7
BirdLife International 179, 180, 184–5, 187, 193
Bjornlund, H. 309, 310, 311
Blonz, J. 24, 25
Boardman, B. 21, 26, 110
Böhringer, C. 16
Boisaco Inc. 288
Bolivia, agricultural production 210
Bonnefoy, X. 22, 33
Bookchin, M. 278, 403
Bowen, A. 8, 12, 14
Boyce, J. 63, 69
Bradshaw, J. 21, 23, 404
Brainard, J.S. 113
Braithwaite, J. 302
Bramley, G. 104, 105
Brännlund, R. 63, 170, 171
Brazil, soya bean production 211, 212
Breitschneider, W. 126, 131, 132, 134, 135, 138, 144, 146
Brewer, P.R. 12
Briuglio, M. 179, 193, 194, 195
British Columbia (BC), community forests 288–9
Broadbent, J. 231, 242
Brown, E. 444, 445
Bruntland Report 11, 251, 252, 377, 403
Büchs, M. 71, 79
Building Schools for the Future (BSF), UK 382, 383, 385, 391–2
Bukharin, N. 403, 411
Bulgaria, housing and heating allowances 48–9
Bulkeley, H. 105, 106
Bürger, V. 141, 146
Burgess, R. 255
Busby, J.W. 232
Buzar, S. 20, 21
Cahill, M. 276, 277, 376
Calder, W. 395
Callaghan, H. 39
Campaign for Better Transport 107, 109, 110
Campaign to Protect Rural England 105
Campbell, R. 23, 27
Canada
  capacity building and work in local food 289–91
  from local projects to national policy 294–6
  natural resource extraction 280–82
  neoliberal policies 282–5
  policy access and competition 292–4
  resilience and revitalization in community forestry 287–9
  social economy 285–94
  sustainability/unsustainability in public policy 279–85
  water pricing 130, 131
Canada–China Foreign Investment Promotion and Protection Agreement (FIPA) 283
Canadian Forest Service 287–8
Canadian Foundation for Climate and Atmospheric Science 284
Caney, S. 19
cap-and-dividend schemes 25, 65, 66, 69
cap-and-share schemes 65, 66, 69
cap-and-trade schemes 25, 64–6, 68
capabilities
and Aristotle 420–22
multi-stakeholder model 361–3
national variation 33–6
and nature 410–12
versus resources 94–8
welfare state factors influencing 31–2
capacity building 289–91, 294, 351, 363, 365, 368, 370–72
capitalism
degrowth under 253–4, 255, 261–8
inequality under 99, 100–101
car ownership/dependency 107–8
carbon capture and storage (CCS) policy, EU 330, 332
effect of interaction mechanisms 338, 341–2, 343, 344, 346
policy characteristics 333
carbon-dioxide (CO2) emissions 7–8
discussion of UK results 86–8
distributional effects of mitigation policies 66–70
distributional implications of mitigation policies 76–86
emissions by emission category 73–4
inequality of emissions 74–6
mitigation policies 64–6
research data 70–71
research limitations 71–3
from transport 108–10
variance across domains 63
Carfi, D. 9, 10, 12
Carletto, G. 211
Carrot Common, Canada 291
Carson, R. 206
Carter, N. 176, 177, 178, 179, 180–81, 279, 377
Casillas, C.E. 19, 20
Castka, P. 351, 362
Castles, F.G. 6, 35
Casula Vifell, A. 359, 368, 369
Central and Eastern Europe
Bankwatch (CEE Bankwatch) 179, 185–6, 189, 194
Centre of Excellence for Cordoba Products and Processes (CEPROCOR) 220
Chan, N.W.W. 318
Cheng, V. 105
childcare, Japan 238
China
solar power 17
soya imports 214–15
Chitty, A. 411
Cicero 442
circumstantial needs approach 405, 406, 409
ClientEarth 186, 189
Clifton, K. 107, 108
Climate Action Network Europe (CAN-E) 179, 180, 186
climate change
and air pollution 110–11
and transport 108–10
uncertainties 9
climate change debate, Japan 234–5, 244–6
climate change mitigation
costs 10–12
distributional effects 20–29
and energy poverty 23–9
and environmental justice 17–19
key characteristics 7–8
uncertainties 9
climate change mitigation policies
distributional implications 64–70
housing sector 54–61
risks and opportunities 6–7
social inequalities and poverty at intersection of 33
Climate Change Performance Index (CCPI) 186
climate change policy interaction, EU
four policy outcomes 330–34
implications of findings for theory building and policy development 342–6
social principles influencing policy instruments 30–31
theory on interaction and mechanisms 334–7
understanding differing character of policies 337–42
Climate Justice Now! 195
Clinch, J.P. 20, 21, 22, 27
Club of Rome 250, 252
Clugston, R. 395
co-operatives, Canada 285–6, 288, 289, 293–4
Cockburn, A. 401
cocoa production, Latin America 210
Collins, N. 111–12
command-and-control regulation 7, 64, 152, 162, 282, 302, 304
commodification 96–7, 262, 263
Common Agricultural Policy (CAP) 184, 185, 187, 188–9
common needs approach 405, 406, 409
community forestry, Canada 287–9
community gardens, Canada 290–91
community power sector, Canada 292–4
compensation schemes, green taxes 156–7, 158, 160–61, 162, 163, 166, 169–70, 171
competence distribution, policy discussions 330, 331, 332, 334, 335, 337, 341, 342
competition policies, utilities 126–7, 142, 147
Connell, D. 305, 320
Connelly, J. 7, 329
Connelly, S. 275, 290
Connor, R. 306, 321
conservationism ideology 176–7, 179, 184, 185–6, 193, 195
Conservative government, Canada 282, 284, 295
conservative welfare regime 6, 34, 35
Conservative-led coalition, UK 382–3 consumption and affordability 129–39
effects of green taxes 164, 165, 169 and growth 251, 252, 256–7, 259, 262–3, 267
contract workers, Japan 238–9
conventional affordability ratio (CAR) 129–31, 133–5, 136, 137–9
Cook, S. 416
Copenhagen climate change criteria 176, 182, 184–5, 186, 187, 188, 189, 191–2, 235, 283
corporate social responsibility (CSR) 395
Council of Australian Governments (COAG) 314, 318
credit unions, Canada 285, 288
Crosbie, T. 5, 24, 26
Crowley, K. 13
Cuba
positive degrowth 257–60
sustainable development performance 263
Curtis, F. 278
Curtis, G.L. 242
Cyprus
housing and heating allowances 48–9
welfare regime 34
Czech Republic
climate change mitigation policies 55
housing and heating allowances 48–9
water pricing 130, 131
Dagdeviran, H. 255, 256
Dalton, R.J. 176, 177, 178
Daly, H.E. 251, 276
Damon, M. 8, 17
Danish Economic Councils 154, 160, 164, 165, 166, 167
Daugbjerg, C. 153, 154
Davidson, M. 357, 360, 372
Dawkins, R. 428
de Beer, P. 34, 35
de Oliveira, J.A.P. 4, 11, 12, 15, 17
De Waal, F. 435
Dean, H. 95, 402, 404, 407, 413
decommodification 6, 30, 31, 96–7, 413–15
deeper ecology 177, 402, 403, 409
defensive ecological approaches 402, 403, 407–8
degrowth 12
compatibility with poverty and inequality reduction 260–61
Cuba as example of positive degrowth 257–60
ecological case against 251–4
social case against 254–7
within capitalist system 261–7
delivery rights, water 308–9, 312, 313–14
Democritus 421, 422, 429, 444
Denmark
carbon taxes 67
climate change mitigation policies 56
distributional effects of green taxes 164–7
green tax reform 159–61
housing and heating allowances 50
revenues from environmentally related taxes 159, 160
water pricing 130, 131
welfare regime 33
Department for Education (DfE), UK 381, 383
Department for Environment, Food and Rural Affairs (DEFRA), UK 63, 65, 69, 71, 79, 87, 111, 112, 265
Department for Transport (DfT), UK 70, 108, 109
Department of Energy and Climate Change (DECC), UK 70, 71, 76, 108
Devall, B. 177
developed countries, and multi-stakeholder model 363–5
developing countries
export-led structural adjustment 254
growth and human well-being 256–7
and multi-stakeholder model 363–5
see also Latin America
Devlin, J. 368
Di Chiro, G. 177, 178
Dinan, T. 68, 69
distributional effects
Australian water taxes 164, 165, 173
emission mitigation policies 66–70
green taxes 154–8
housing sector 20–29
Scandinavian mitigation policies 163–72
UK mitigation policies 76–86
distributional inequality, UK CO2 emissions 74–6
distributional justice 115–16
application 19
current and future generations 19
debates on 95–6
definition 17–18
development history 18–19
and energy poverty 23–9
Docherty, I. 108, 110
Doherty, B. 181, 194
Dollar, D. 249, 255
domestic environmental policy, Japan 232, 233
Dorling, D. 113
‘double dividend’ hypothesis 25–6, 68, 152–3, 162, 167, 169, 171
Dowlatabadi, H. 17, 18, 19, 31
downstream carbon taxes 65, 66
Drahos, P. 302
Dresner, S. 10, 20, 21, 24, 26, 66, 67, 68, 87, 155, 156
Druckman, A. 25, 27, 66
Duchin, F. 253
Dünnhoff, E. 140, 145
E.ON 145
Easterlin, R.A. 256
eco-localism 277–9, 285
eco-socialism 177, 401, 402, 403, 410
eco-tourism 357–8, 362, 364
ecological case against degrowth 251–4
ecolological case against growth 250–51
ecolological discourses 402–3
ecolological modernization 12, 176–7, 185–90, 192, 252–3, 254, 377, 402, 403, 408–9
ecologism ideology 177
economic characteristics, water- and energy-related services 124–9
economic globalization challenges to 221–3
historical perspective 206–8
impact in Latin America 208–11
socio-environmental impacts 215–20
trade liberalization and agro-exports 211–15
economic rationalism 301, 307
economistic needs approaches 405–6
ecosocial model of poverty 96–8, 102–4
basic principles 97–8
housing and urban densities 104–6
transport poverty 107–13
EDEN Center 186
Edible Garden Project (EGP), Canada 290–91
education for sustainability (EfS) 379  
education for sustainable development (ESD) 378–80  
activities identified by primary school children 386  
barriers, drivers and difficulties of implementing 385–91  
in England and Wales 381–4  
flagship school activities 387–8  
implementing 380–81  
lessons learned and implications for future strategies 393–5  
ranking exercise of the eight doorways 386, 388–90, 392  
research methodology 384–5  
and self-determination 391–3  
translation into action at school level 385  
education, workforce 31–2  
energy efficiency principle 7–8  
Egeberg, M. 334, 345  
Eide, A. 404  
Eilam, F. 380, 393  
Ekins, P. 10, 20, 21, 24, 26, 66, 67, 68, 87, 155, 156, 207  
Eko-svest 186  
elderly services, Japan 237–8  
electricity privatization, Latin America 209  
electricity sector, Canada 292–4  
emancipatory approach 402, 403, 407–8  
Emissions Trading System (EU ETS) 25, 65, 162, 187, 188, 329, 330, 332  
effect of interaction mechanisms 337–9, 343, 344, 345  
policy characteristics 333–4  
employment  
effects of degrowth 255, 259, 263–4, 265–6  
and green growth 12–17  
Japan 236–9, 241  
empowerment  
developing countries 188, 192, 194–5  
multi-stakeholder model 351–2, 355, 364, 365–6, 370–72  
endosulfan-based herbicide 220, 222  
energy efficiency 7–12  
costs 26–7  
and energy inequality 25–6  
and green growth 12–17  
information and incentives 27, 32–9, 64, 67–8  
mandatory performance standards 27–8  
supplementary measures 28  
tenant-landlord problem 27  
energy inequality  
and efficiency measures 25–6  
and substitution measures 28  
and sufficiency measures 24–5  
energy performance standards 27–8, 60  
energy policy for buildings, EU 330, 332  
effect of interaction mechanisms 338, 342  
policy characteristics 332  
energy poverty 5  
and climate mitigation/distributional justice 23–9  
definition 21  
determinants and impacts 21  
risk groups 22  
and social policy 22–3  
energy pricing affordability  
affordability diagnosis for Germany 139–42  
concepts of indigence 137, 138  
contractual relationship between supplier and user 125–6  
general social policy and income transfers 143–4  
household model of affordability 132–5  
management of need and use efficiency 145–6  
management of preferences or information policy 146  
nature and measurement of affordability 129–39  
non-pecuniary hurdles of access and service level 144–5  
pecuniary hurdles of access and pricing policies 145
political instruments for solving affordability problems 142–3
water as economic and social good 124–9
Energy-Environment Council, Japan 244–5
England
education for sustainable development 381–4
implementation of National Framework for Sustainable Schools 384–93
ENGO activism
data analysis 184–92
and environmental ideologies 176–8
G10 ENGO alliance 179–81
and ideological institutionalization 178–9
research methodology 181–4
social policy implications 193–5
Environment Agency, UK 112–13
Environment Canada 281, 283, 284
environment functions 207
Environmental Assessment Act, Canada 284
environmental costs, agro-export model 215–20
environmental education for sustainability (EEIS) 379
environmental effects, green taxes 152–3, 166, 168, 169, 170–72
environmental ideologies 176–8
Green 10 (G10) ENGO alliance 181–95
Japan 241–2
Environmental Impact Assessments (EIAs) 184, 300
environmental justice
application 19
current and future generations 19
definition 17–18
development history 18–19
environmental justice ideology 116, 177, 261
environmental Kuznets curve (EKC) 251–2
environmental policy integration (EPI) 334, 377–8, 395
environmental policy, Canada 283–4
environmental policy, Japan
in contraction stage 232–5
in expansion stage 229–31
future of 244–6
nexus between social policy and 239–44
environmental preservation 4, 5, 11–12, 13, 15, 37
Environmental Protection Agency, Sweden 153–4, 163, 169–70
environmental sustainability
Canada 279–85, 287
cultural/cognitive separation with social sustainability 356–60
environmental water, trade in 312–14, 322
Epicureanism 436–44
and contingencies of nature 438–40
interconnections 442–4
limitations 444–5
struggle and conflict 441–2
equal per capita tax and rebate (T&R) schemes 68–70
distributional effects 76–88
Escobar, A. 260, 413
Esping-Anderson, G. 6, 30, 31, 33, 236, 413
Estonia
climate change mitigation policies 59
housing and heating allowances 50
Ethical Trading Initiative (ETI) 360, 364
Ethics 64, 93, 242–3, 245
Aristotelian perspectives 429–30, 446
Europe
housing and heating allowances 48–53
housing sector climate policies 54–61
welfare regimes 6–7, 33–6, 48–61
Europe 2020 agenda 187
European Atomic Energy Community (Euratom) 191
European Bank for Reconstruction and Development (EBRD) 9, 10, 185
European Commission 10, 13, 14, 32, 34, 35, 36, 178
and climate change policies 329, 333, 336, 338–9, 345
contact with ENGOs 184, 185, 186, 187, 188, 189, 192
European Confederation for Relief and Development (CONCORD) 180
European Court of Justice 188, 192
European Economic Association (EEA) 153, 154, 155, 156, 157, 158
European Environment Agency (EEA) 105
European Environmental Bureau (EEB) 179, 180, 184, 186–7, 193, 194
European Federation for Transport and Environment (T&E) 179, 180, 184, 187–8, 193
European Green Party 194
European Investment Bank (EIB) 185, 194, 333
European Parliament 180, 184, 188, 192, 341, 343, 344
European Trade Union Confederation (ETUC) 180
European Union (EU)
Biodiversity Strategy 184
Council of Ministers 184, 192
Directorate-General for Climate (DG Climate) 345
Directorate-General for Energy (DG Energy) 340, 342, 345
Directorate-General for Environment (DG Environment) 340
Effort Sharing Agreement 30
Energy Efficiency Directive 189
engineering policies 332–3
Fuel Quality Directive 188
New Entrants Reserve (NER) 300
fund 333, 341–2
Packaging and Packaging Waste Directive 265
soya imports 214–15
Water Framework Directive 123, 125, 147

see also climate change policy interaction; Emissions Trading System (EU ETS); ENGO activism
Evans, A. 105
Evans, B. 349, 357, 366
Every Child Matters (ECM) agenda, UK 388, 390, 393–4
Expenditure Food Survey (EFS), UK 70, 71–2
export-led structural adjustment 254
export-oriented resource extraction, Canada 280–82
Ezratty, V. 21, 22, 23
Faber, D. 264, 266
Faiers, A. 28, 32
Fairtrade International 359–60, 364–5, 366–7, 369
Fankhauser, S. 12, 14, 16, 131
Faysse, N. 351, 352, 362, 366, 368
Federation of Canadian Municipalities, Aboriginal and First Nations 284
feed-in tariffs (FIT) 16, 29, 67, 293
female-headed households, distribution effects of mitigation policies 81
female workers, Japan 237, 238–9, 243
Feng, K.S. 24, 63
financial incentives, energy efficiency 5, 27–9, 32, 64, 67–8
Finland
climate change mitigation policies 55
housing and heating allowances 50
water pricing 130, 131
welfare regime 33
Finnemore, M. 336, 369
First People's Water Engagement Council, Australia 323
Fisheries Act, Canada 284
Fitzpatrick, T. 95, 276, 277, 357, 419, 428, 429, 444
flights
emissions 70–71, 73, 74
taxes 78, 79–80, 81, 82, 87, 167, 168
Fligstein, N. 335, 336
Forest Stewardship Council (FSC) 353, 354–6, 360, 361–2, 363–4, 365, 366, 367, 368, 369, 370–71
forestry sector, Canada 287–9
Foster, J.B. 253, 255, 257, 263, 410, 412
Foundation for the Economics of Sustainability (FEASTA) 65, 69
France
climate change mitigation policies 57
housing and heating allowances 50
water pricing 130, 131
welfare regime 34
Francophone Canada, social policy 286–7
Fransen, L. 351, 353, 355, 362, 363, 370
Freeman, R.E. 349
Friends of the Earth (FOE) 112, 178, 179, 180–81, 188–9, 193, 367, 383, 407
Fritsch, O. 352
Frondel, M. 15, 127, 146
gain
emissions from 70–74
taxes 78–82, 155–6, 158, 160–69, 171
Fukushima Daiichi nuclear power plant 244
full price cost recovery 123, 306, 314–18, 323
Fullerton, D. 157, 158
functional interaction 329, 334–5, 337
effect on EU climate change policies 337–8, 339, 341, 342, 343, 344
Fung, A. 278, 279
Gadotti, M. 395
Gaia hypothesis 22, 177, 401
Galeotti, M. 252, 255
Galileou 431
garden cities 105–6
Gatica, S. 220, 221
Gawel, E. 123, 124, 126, 132, 135, 136, 138, 139, 142, 144, 146
Gehring, T. 334, 336, 345
gender equality, Japan 237, 238–9, 243
generation gap, Japan 243
Genesis narrative 22, 401
genetically-modified (GM) crops 211, 212, 214, 215–16
Georgescu-Roegen, N. 251
Germany
affordability discussion for water and energy 139–42
carbon taxes 68
energy poverty initiatives 22–3
and EU Emissions Trading System 338–9
feed-in tariffs 16
housing and heating allowances 50
inter-regional energy and water price variation 127–9
solar power 17
tax reform 157
water and electricity consumption 141
water- and energy-related services as economic and social goods 124–9
welfare regime 34, 38
Gibson, S. 195
Giddens, A. 376
Gillespie, S. 443
Gilroy, R. 21, 25, 26
Giradet, H. 13, 14, 15
Glenmarc, Y. 4, 11, 12, 15, 17
Glied, S.A. 134
Global Commons Institute (GCI) 260–61
global environmental policy, Japan 232–5
Global Partnerships for Good Agricultural Partnerships 364
Global Wind Energy Council 15
glyphosate-based herbicide 216, 220
Gold Plan (1989), Japan 238
Goodin, R. 100, 336
Goodman, P. 21, 22, 24
Goods, C. 12, 13
Gordon, D. 255, 256
Gorz, A. 250
Gotthelf, A. 423
Gough, I. 4, 24, 31, 262
Grafton, R.Q. 308, 313, 315
‘grandfathering’ 25, 65
Gray, J. 283, 382
Greece
climate change mitigation policies 55
water pricing 130, 131
welfare regime 34
Green Budget Europe 187
green capitalism 12, 252, 253–4, 267
green communitarianism 402, 403, 409
Green Energy and Economy Act, Ontario 293
green growth 11–12, 38–9, 263, 415, 416
evidence 15–17
promises and pitfalls 12–17
theoretical expectations 14–15
green jobs
characteristics 13–14
definition 13
green neoliberalism 277–9
Green New Deal 265–6
green taxes
equality/inequality caused by 163–72
distributional effects 154–8
Scandinavia 159–63
UK 76–86
Greenblatt, S. 437
greenhouse gas (GHG) emissions 7–8
Greenpeace 15, 178, 179, 180, 186, 189–90, 194, 361, 367, 369
Greiner, R. 304
Grimshaw, D. 382
Grosche, P. 20, 23, 27
Grossman, G. 251, 252
growth
ecological case against 250–51 267–8
see also degrowth; green growth
Guatemala, non-traditional crop production 210–11
Guivarch, C. 10, 32
Guthrie, W.K.C. 433, 444
Haas, E.B. 334, 335, 336, 346
Habermas, J. 402
Hajer, M. 356
Hall, M. 285
Hall, P.A. 39
Halle, M. 11, 12
Hamza, N. 21, 25, 26
Hancock, K.E. 134, 135, 136, 138
Hansen, J.E. 62, 65, 69
Hardie, P. 443
Hardy, C. 182, 183
Harrison, C. 21, 22, 23, 33
Harriss-White, B. 412
Harvey, D. 255, 263
Hassett, K.A. 63, 67
Hatfield Dodds, S. 322, 323
Hayward, T. 411
Hazardous Materials Information Review Commission, Canada 284
Health and Environment Alliance (HEAL) 179, 187, 190–91, 194
health effects
agro-export model 215–20
air pollution 111–12
energy poverty 21
industrial pollution 229–31, 239, 241
transport poverty 108
Healthy Schools agenda, UK 388, 393, 394
Healy, J.D. 20, 21, 22, 25–6, 27, 33, 36, 37
heating allowances EU 48–53
hedonism 421–2, 437, 441
Hegel, G. 413
Helm, D. 64, 329, 345
Hemmati, M. 351
Hertwig, E.G. 5, 24, 26
Heyman, B. 20, 21, 22, 26
high-income households
distributional implications of mitigation policies 69, 76–9, 81, 155, 156, 158, 164, 165, 166, 168, 169, 170
exposure to pollution 113
inequality of emissions 74–6
Hilary, J. 208, 209
Hine, T. 107
Hinnells, M. 5, 20, 24, 26, 32
Hiroi, Y. 228, 246
Hoberg, G. 288, 289
Hoffman, S.M. 292
Holland, B. 96
Hölsch, K. 6, 35, 36
home energy emissions, UK 73–4
distributional implications of mitigation policies 76–86
inequality of emissions 74–6
Houghton, J. 106, 108
household characteristics, and
distributional effects of mitigation policies 79–86
housing allowances, EU 48–53
housing and poverty 104–5
housing density 105–6, 109
housing sector
climate change mitigation policies 54–61
energy poverty 20–22
Hovden, E. 378, 393
Howard, E. 106
Howlett, M. 289, 302
Høyer, K.G. 253, 260
Huang, Y.F. 4, 11
Huber, A. 28, 37
Huby, M. 153
Huckle, J. 379–80, 381, 386, 393, 394, 396
human development, Cuba 257–60
human needs
approaches to 407–15
and growth/degrowth 256–7, 260–61
reflections on 403–7
human services, decommodification of 414–15
humanitarian needs approaches 410, 405, 406
Hungary
climate change mitigation policies 57
water pricing 130, 131
Hunold, C. 178, 180
Hussey, K. 300, 307, 313
Hutton, S. 21, 23
hydrofluorocarbons (HFCs) taxes 162
Iceland, water pricing 130, 131
ideological institutionalization 178–9, 181–95
Iilich, I. 250, 414
Ikeme, J. 17, 18, 19
incineration taxes 161
income 95–6
  effects of green taxes 69, 76–7, 82–3, 154–8, 164–5, 166, 170, 171
income poverty 135, 139, 143
income transfers 17, 22, 25
  and utilities affordability 143–4
  increasing block tariffs (IBTs), water supply 317, 318
indigenous communities, Canada 283, 285, 286–7, 293, 294
indigenous water rights, Australia 319–20, 323
individualistic policy orientation 408
Indonesia, effects of prawn farming 232
industrial pollution, Japan 229–31, 239, 241–2
industrial wastewater taxes 161
industry inequality, green taxes 153–4, 161–2, 163
inequality, and growth/degrowth 255–7, 260–61
informal institutions, Japan 242
inherent needs approach 404, 405, 408
Innis, H. 280
institutional interaction 330, 335–6, 337
  effect on EU climate change policies 338, 339, 340, 341–2, 343
instrumental value 96–7
interaction mechanisms 334–7
  effect on EU climate policies 337–42
Intergovernmental Panel on Climate Change (IPCC) 3, 4, 7, 13, 20, 192, 281
International Code of Conduct for the Production of Cut Flowers 360, 362
International Development Bank (IDB) 208, 217
International Energy Agency (IEA) 10, 55, 57, 59, 60, 61, 190
International Federation of Agricultural Movements 362
International Foundation for Organic Agriculture (IFOAM) 187, 366
International Friends of Nature 179
international human rights legislation 300
International Maritime Organization 188
International Monetary Fund (IMF) 208, 217, 254
International POPs Elimination Network (IPEN) 191
interpreted needs approach 404, 405, 408
intrinsic value 96–7, 116, 446
Ireland
  climate change mitigation policies 60
  energy poverty 22, 35–6
  welfare regime 33
irrigated agriculture, Australia 307, 308–14, 321–3
ISO 14000 364, 369
ISO 26000 351, 362
itai-itai (ouch-ouch) disease 230–31
Italy
climate change mitigation policies 61
water pricing 130, 131
welfare regime 34
Ituzaingó Anexo, health impacts of pesticide use 218–20

Jaccard, M. 274–5, 280
Jackson, S. 319–20
Jackson, T. 18, 25, 27, 29, 66, 261, 262, 264, 409
Jacobsen, H.K. 164, 166
Jacobson, M. 110, 111
Jänicke, M. 12, 14, 16, 32, 37, 377

Japan
environmental policy in contraction stage 232–5
environmental policy in expansion stage 229–31
future of 244–6
nexus between environmental and social policy in contraction stage 242–4
nexus between environmental and social policy in expansion stage 239–42
social policy in contraction stage 237–9
social policy in expansion stage 235–7
summary of expansion and contraction stages 240–41
water pricing 130, 131

Japan Democratic Party 235, 239
Jary, D. & J. 178
Johnson, M. 430, 431, 432, 435, 436
Johnson, S.M. 29, 63
Johnston, J. 276, 279
Johnstone, N. 5, 66
Jordan, A. 7, 329, 377
Jucker, R. 394

Kagawa, F. 395
Kahn, C. 423
Kammen, D.M. 19, 20
Kapoor, I. 352, 357, 362
Karliner, J. 302
Keck, M. 362–3, 368
Kennedy, D. 443
Keynesianism 265, 282

Khimki Forest motorway development 185–6
Kidron, M. 253
Kikuchi, R. 10, 11, 12, 14, 15
Klinge Jacobsen, H. 63, 67, 86–7
Klinsky, S. 17, 18, 19, 31
Klintman, M. 357–8, 359, 360, 362
Knill, C. 179, 180
Köhler, J. 66, 67, 68, 69, 86, 87
Kohn, M. 106
Kolk, A. 349, 351, 352, 355, 363, 370
Konisky, D.M. 18, 19
Korea, water pricing 130, 131
Korpi, W. 6, 35
Kosonen, K. 155, 156, 157
Kovel, J. 177, 253
Kraay, A. 249, 255
Kraus, M. 6, 35, 36
Kristensen, J. 158, 166
Krueger, A. 251, 252
Kuhling, J. 28, 32
Kyoto Protocol 7, 12, 19, 65, 182, 186, 233–5, 283

La Camera, F. 18, 19
Labandeira, X. 63, 68
Labour government, UK 382
labour market regulation 32
labour-intensive policies 265–6
labour, commodification/decommodification of 262, 413
Lafferty, W. 377–8, 393
land, decommodification of 414
landfill taxes 161, 163
Larsen, J.E. 158, 166
Latin America
challenging market liberalization 221–3
environmental and social effects of economic success 215–18
health impacts of agrochemical use 218–20
impact of globalization and liberalization 208–11
policy and the environment 206–8
trade liberalization and agro-exports 211–15
Laurent, F. 21, 24
Laurent-Lucchetti, J. 10, 11
Laville, J.-L. 277
Index

Lawn, P.A. 5, 11, 15
Leach, A.J. 10, 11
Leca, B. 336
Lehr, U. 15, 16
Lehtonen, M. 276, 287
Lele, S. 377, 378, 393
Leucippos 421
Leunissen, M. 430, 432, 434
Liberal Democratic Party (LDP), Japan 235
Liberal government, Canada 282
liberalization policy
challenges to 221–3
impact in Latin America 208–11
trade liberalization and agro-exports
211–15
Liefferlink, D. 179, 180, 238
lifetime employment system, Japan
236–7, 238, 241
‘limits to growth’ model 11, 177, 250
Lindhjem, H. 161, 162, 163, 167
Lindquist, E.A. 278
Linz, M. 7, 8
Lipp, J. 293
Litvinoff, E. 222, 223
local food initiatives, Canada 289–91
local loading EU policies 332
Locht, N. van de 127, 142, 146
Loutet Farm, North Vancouver 290–91
low-income households
distributional implications of mitigation policies 69, 76–9, 81, 153, 154, 155, 158, 164, 165, 166, 168, 169, 170
exposure to pollution 113
inequality of emissions 74–6
transport costs 107–8
Lucas, K. 87, 107, 108
Lucretius 420, 438–42
Lukes, W.T. 378, 393
Luxembourg
climate change mitigation policies 61
housing and heating allowances 50
water pricing 131
McAdam, D. 336, 369
MacArthur, J.L. 279, 287, 288, 292, 294
McCarthy, J. 288, 289
MacDonald, B. 183
MacDonald, D. 282
Macdonald, D. 280, 282
MacIntyre, A. 419, 432, 435, 436
McKay, J.M. 309, 310, 311, 313
McMurtry, J.J. 275, 286
Maggio, F. 253, 255, 257, 263
Magnani, R. 220, 222
Majid, N. 255–6
Malta
housing and heating allowances 51–2
welfare regime 34
Mandel, E. 262
Mantaew, B. 395
Marcuse, P. 357
Marine Stewardship Council (MSC) 351, 359–60, 361, 369
market failure 30, 31, 64, 125–9, 302
market friction instruments 302, 303–4
market-based instruments (MBIs), classification of 303–4
Markus, G. 411
Marshall, T.H. 403
Martinez-Alier, J. 251, 253, 261, 265
Martinussen, J. 208
Maruo, N. 228, 236
Marx, K. 18, 262, 401, 404, 410–12, 413
Maslow, A. 404
Matheu, C. 219, 223
Matsuno, Y. 231
May, T. 181
Meadows, D.H. 11, 250
Mediterranean welfare regime 34, 36
Melamed, C. 255
Mendell, M. 286
metaphysical teleology 426–7
Metaphysics (Aristotle) 425, 426–7, 430–36
Metcalf, G.E. 63, 66, 68
Metz, B. 330
Mexico, water pricing 130, 131
Meyer, R. 19
middle-class, redistribution and support for 32
middle-income households, effects of green taxes 155–6, 165, 166
Millennium Development Goals 256, 380, 414
Millennium drought (2007), Australia
309, 310, 313, 315
Mills, B.F. 26, 27, 29
minamata disease 230
Miniacci, R. 134, 135, 136
minimum needs approach 18, 19, 22, 23
mining sector, Latin America 210, 368
Mitchell, G. 113
Mitchell, R.K. 349, 361
mitigated exploitation 408, 409, 415
mobility 10, 98–102, 103, 107, 114
moderate environmental ideologies 176–81, 190, 194–5, 409–10
Moffat, I. 378, 393
Mol, A.P.J. 177, 251, 252
Monbiot, G. 36, 37, 67, 97, 282
Monsanto 216, 217, 220
Moore, S. 112
moral-authoritarian needs approaches, 405, 406
Moran, D.D. 257
Moravcsik, A. 331, 335, 344
Morgan, F. 258
Morris, A.C. 12, 15
Morrison, J. 319–20
Mother and Infants Hospital, San Roque 218
Mothers of Ituzaingó 219, 220, 221
_De Motu Animalium_ (Aristotle) 422
Mukherjee-Reed, A. 366
multi-stakeholder model
challenges due to environmental roots of sustainability framing 357–8
examples of multi-stakeholder organizations 353, 354–5
form and promises 351–6
forums for stakeholder participation 350
imbalance due to different capabilities 361–3
imbalance due to high-profile actors 361
legitimacy-seeking initiatives 353, 355
shrinking the social through consensus trap 358–9
social aspects excluded from the frame 359–60
South versus North and small versus large 363–5
spatial dimension 366–8
structural and power issues 365–6
sustainability of 370–72
temporal dimension 368–70
multi-stakeholder platforms (MSPs) 363
Murray-Darling Basin, water trading 309, 311–14
Naess, P. 253, 260
Nassar, A. 214, 215
Natcher, D.C. 285
National Framework for Sustainable Schools (NFSS), UK 382
implementation 383–93
lessons learned 393–5
National GHG Inventory Report, Canada 281
National Life-Cycle Plan (1994), Japan 236
National Roundtable of the Environment and Economy, Canada 282, 284
National Sustainable Development Strategy, Norway 167
National Travel Survey (NTS) for Great Britain 70, 87
National Water Commission (NWC), Australia 309–12, 314, 323
National Water Initiative (NWI), Australia 301, 305–7, 309–10, 312–23
indigenous rights 319–20, 323
Pricing Principles 314–18
Natura 2000 184
natural environment and urban sprawl 105–6
natural monopoly 125, 126–9
Natural Resources (NRCAN) Canada 280–81, 282
natural resources and social rights
ecological discourses 402–3
Genesis versus Gaia 401
reflections on rights and needs 403–7
social-ecological praxis 407–15
natural resource exploitation, Canada 274–5, 280–82
nature of nature
Aristotle and capabilities approach 420–22
Aristotle's teleology 422–30
critiquing Aristotle's teleology 430–36
Epicurean limitations 444–5
Epicureanism 436–44
Naturefriends International (NFI) 191–2, 193–4
Neamtan, N. 286
need management, utilities 145–6
negative externalities 64, 68, 101, 125, 152, 278, 312–13
Netherlands
climate change mitigation policies 60
green taxes 156
housing and heating allowances 53
water pricing 130, 131
welfare regime 34, 38
Neuhoff, K. 127, 130, 144, 145, 146
New Zealand
energy poverty 25
water pricing 130, 131
Newig, J. 352
Nichols, J. 443, 444
Niemann, A. 334, 336, 346
nitrogen oxide (NOx) taxes, distributional effects 161, 171–2
NGOs, Japan 243–4
non-profit sector, Canada 285
non-traditional crop production, Latin America 210–11
non-white households, distribution effects of mitigation policies 81
North America, participatory governance 352
North American Free Trade Agreement (NAFTA) 283
North–South divide, UK 105
Northern Ireland Travel Survey (DRNDI) 70
Norway
equality/inequality effects of green taxes 167–8
green tax reform 161–2
revenues from environmentally related taxes 159, 160
water pricing 130, 131
welfare regime 33
‘not in my backyard’ (NIMBY-ism) 177, 292
nuclear power plants, Japan 244–5
Nussbaum, M. 94, 95, 420, 421–2, 423, 434, 445
O’Connor, J. 177, 266, 412–13
O’Doherty, J. 26, 27
O’Sullivan, K.C. 21, 22, 25
Oberthür, S. 233, 329, 334, 336, 345
Obinger, H. 6, 35
OCEAN 2012 184
Odaka, K. 235, 236
oil resources, Canada 281
Oiwa, K. 230
Olsen, J.P. 331
Ontario, community power sector 292–3
organic agriculture, policy planning 359–60
Ormandy, D. 21, 22, 23
Osawa, M. 237
Ostrom, E. 414
packaging policy/taxes 161, 233, 264–5
Palme, J. 6, 35
Paraguay, soya bean production 211, 212, 213
Parry, I.W.H. 25, 66, 68, 69, 79, 87
particular needs approach 408–9
partnerism 353
Pateman, C. 277
paternalistic needs approaches 405, 406
Paul, A. 71
Pearce, A. 13, 14, 15, 16
Pearce, D.W. 5, 9–10, 11, 152, 378
Pedersen, A.B. 153, 154, 161, 167
Pedoni, M. 221, 222, 223
perfluorocarbons (PFCs) taxes 162
permanent water entitlements 308, 309, 311
personal carbon trading (PCT) 69
persuasion interaction 330, 336–7, 339

effect on EU climate change policies 338, 340–41, 342, 343–4, 346

Peru, mining sector 210
pesticide taxes 161, 167
Pettersson, F. 5, 24, 26
Petty, W. 412
Philips, N. 182, 183
physical teleology 424–6

Physics (Aristotle) 424–6, 430–36

Pickett, K. 257, 263
piecemeal market policies 332, 333, 334, 339
Pierson, P. 335
Pigozzi, M. 380–81, 393, 396
Pinkse, J. 349, 351, 352
Poland
climate change mitigation policies 59 and EU Emissions Trading System 340
housing and heating allowances 51 water pricing 130, 131
policy strength 330, 331–2
Polish Climate Coalition 186 polluter-industrial complex 264–5 polluter-pays principle 19, 123, 167, 300
pollution abatement policies, Japan 231 pollution reduction, distribution of benefits 158, 166–7
pollution, variation in exposure to 113, 153
Ponte, S. 359, 360, 362
Pope, J. 21, 22, 23, 33
Porritt, J. 251, 252, 403
Portugal
climate change mitigation policies 61 housing and heating allowances 51 water pricing 130, 131
welfare regime 34, 36
Posner, E.A. 63, 69
potential affordability approach (PAA) 135–6, 137, 139
poverty
and growth/degrowth 255–7, 260–61
and housing 104–5
principle approaches to conceptualising 94–8
and social exclusion 107–8
and social policy 33

see also ecosocial understanding of poverty
power asymmetries, multi-stakeholder model 360–66
Power, A. 106, 108
practical wisdom (phronesis) 421, 427, 429–30, 433–4
pragmatic policy framing 359, 408, 409
Prasad, M. 382
prawn farming, Asia 232
precautionary principle 167, 300
prepayment metering 25
price caps 129, 140
price signals 152, 252, 302, 306, 310–11, 314–18, 321
Primrose, D. 13, 15, 16
Princen, T. 295
Priority School Building programme, UK 383
privatization, Latin America 208–9
pro-social-humanistic approaches 402, 403, 408
procedural justice 17–19, 115–16
productivism 266, 276–7, 280
Productivity Commission (PC), Australia 315–18, 323
profit motive 11, 13–14, 115, 176, 217, 253–4, 262, 264–5
progressive policies 4, 24–5, 67–9, 110, 255
Cuba 258–9
Japan 235
Scandinavia 155–8, 164–5, 167–8, 171, 173
UK 77–9, 87
property rights 64, 97, 102, 103, 114, 116, 306, 313, 320
public policy, Canada 279–85
public transport costs of 107–8 emissions from 70–74 investment in 110 taxes 78–82
Pukwis Community Wind Park, Canada 293, 294
Pye, S. 17, 18, 19, 24, 25, 27–8, 33
Quebec, forestry co-operatives 288
Queensland Competition Authority 315, 316–17
radical environmental ideologies 176–81, 189–90, 191, 194, 195, 278–9
Rawls, J. 95
rebounded energy consumption 9–10, 26, 146
recycling laws, Japan 233
redistributive measures
options for 67–9
poverty reduction 255–7, 260–61, 267
and support for middle-class 32
Reed, D. 362, 363, 364–5, 366, 371
Rees, W. 274, 284–5
regressive policies 5, 14, 17, 24–5, 27–9, 63, 65–70, 110, 235, 255, 258–9
Australia 317
Scandinavia 154–5, 164–5, 173, 167–8, 170, 171, 173
UK 76–8, 86–7
Reitan, R. 195
renewable energy 8, 9–10, 14, 15, 16–17
Canada 292–4, 295
to combat air pollution 110–11
employment effects 16–17
support schemes 28–9
renewable energy policy, EU 330
effect of interaction mechanisms 338, 339–41
policy characteristics 332–3
representative democracy 276, 351
De Rerum Natura (Lucretius) 420, 438–42
residual income approach (RIA), affordability 135–6, 137, 139
resource capitalism 99
resource constraints 250–51
Resources and Energy Analysis Programme (REAP) 71
resources-based approach 94–8
Restakis, J. 278
Revelstoke Community Forest Corporation (RCFC), British Columbia 289
rice production, Australia 309, 311
Riddle, M. 63, 69
rights-based market instruments 302, 303
Riisgaard, I. 359, 360, 362
Ritter, M. 62
Roberts, S. 24, 27
Rogers, D.L. 68, 69
Romania, housing and heating allowances 51–2
Rootes, C. 178, 180
Roper, H. 311
Roundtable for Responsible Soy (RTRS) 358–9, 362, 365, 367–8
Roundtable on Sustainable Palm Oil (RSPO) 358–9, 362, 365, 367–8
RoundupReady Soybeans 216, 220
rural areas
air pollution 113
distribution effects of mitigation policies 79–81, 86, 156, 166, 168, 169, 171
impacts of water markets 308–14, 321–3
Rutqvist, J. 163, 170–71
Rüttgers, C. 127, 142, 146
Sacks, D. 257
Santamouris, M. 20, 22, 23, 36, 37
Sardianou, E. 5, 24, 26, 28, 32
Saunders, R.W. 20, 29
Scandinavia
distributional effects of green taxes 163–72
green taxes 159–63
Schelly, C. 28, 32
Schiliro, D. 9, 10, 12
Schils, T. 34, 35
Schleich, J. 26, 27, 29
Schmitter, P.C. 334
Schnaiberg, A. 254, 264
Schneider, F. 251, 257
Schnepf, S.V. 71, 79
Schreurs, M.A. 7, 234
Schumacher, E.F. 251
Scott, C. 288
Scott, L. 13, 17
Scott, N.C. 5, 24, 26
Scott, W.R. 369, 380
Seas at Risk 184
seasonal water allocations 308, 309, 311
Selby, D. 382, 395
self-help principle, Japan 236–7, 242, 243
Semino, S. 215, 218
Sen, A. 94, 95, 276, 420
Serret, Y. 5, 63, 66
service levels, utilities 125–6, 143, 144–5
Shadbegian, R.J. 13, 16
Sharp, L. 377, 394, 396
Sikkink, K. 336, 363, 368
Simpson, J. 274–5, 280
Sims, R.E.H. 331
Single European Market policies 332, 333, 340, 345
Skidelsky, R. & E. 431, 436
Skjærseth, J.B. 338, 339
Sloman, L. 109
Slovakia
housing and heating allowances 51
water pricing 130, 131
Slovenia, housing and heating allowances 53
smart metering 25, 146
Smith, A. 18, 404
Smith, J. 277, 363, 367, 368
Snodin, H.M. 5, 24, 26
Social Accountability 8000 364
social capital 106, 238–9, 242, 358, 362–3, 365
social case against degrowth 254–7
social concerns, water and energy consumption 124–9
social costs, agro-export model 215–20
social democratic welfare regime 6, 34–5
social economy, Canada 275, 285–96
and sustainability 276–9
social equity, water policy discussion 321–3
environmental, social and economic objectives 308–14
indigenous rights in National Water Initiative 319–20
National Water Initiative 305–7
pricing signals in urban sector 314–18
rise of market-based instruments 301–5
social exclusion and poverty 21, 107–8
social housing, UK 105
social inequality and social policy 33
social justice 24, 116, 129, 245, 249, 260, 267, 275–6, 301
Social Platform 180

social policy
and energy poverty 22–3
ethics of 93–4
implications of ENGO activism 193–5
key characteristics 6–7
major principles 30–31
social inequalities and poverty at intersection of 33
social policy, Japan
in contraction stage 237–9
in expansion stage 235–7
future of 244–6
nexus between environmental policy and 239–44
social principles, national variation 33–6
social problems, national variation 33–6
social rights and natural resources
ecological discourses 402–3
Genesis versus Gaia 401
reflections on rights and needs 403–7
social-ecological praxis 407–15
social sustainability
Canada 287
cultural/cognitive separation with environment sustainability 356–60
social tariffs 17, 129, 145
social-ecological metabolism 408, 410–15, 416
socialist system, degrowth under 257–60, 266–7
Societe d’Exploitation de Sacre-Coeur 288
socionatural resources 96–8
minimum entitlements 97, 102, 103, 114
social and natural interdependencies 103, 114
through space and time 98–102
Soderholm, P. 5, 24, 26
solidaristic policy orientation 408
Sombart, W. 262
Soneryd, I. 359, 368
Sorrell, S. 65
Soskice, D. 39
soya bean production, Latin America 211, 212–16
<table>
<thead>
<tr>
<th>Index</th>
<th>469</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spaargaren, G.</td>
<td>251, 252</td>
</tr>
<tr>
<td>Spain</td>
<td>housing and heating allowances 53</td>
</tr>
<tr>
<td></td>
<td>water pricing 130, 131</td>
</tr>
<tr>
<td></td>
<td>welfare regime 34, 36</td>
</tr>
<tr>
<td>Spark Energy Co-operative, Alberta</td>
<td>293–4</td>
</tr>
<tr>
<td>spatial inequality</td>
<td>98–200</td>
</tr>
<tr>
<td>Speck, S.</td>
<td>152, 153, 154, 155, 156, 160, 161, 162, 163, 170, 171</td>
</tr>
<tr>
<td>‘Spring Alliance’</td>
<td>180</td>
</tr>
<tr>
<td>Starkey, R.</td>
<td>63, 69, 87</td>
</tr>
<tr>
<td>Stavins, R.N.</td>
<td>302, 304</td>
</tr>
<tr>
<td>steering method, policy discussions</td>
<td>330–31, 332–3, 335, 337, 342, 345, 346</td>
</tr>
<tr>
<td>Steg, L.</td>
<td>5, 24, 27</td>
</tr>
<tr>
<td>Stern, D.J.</td>
<td>207, 252</td>
</tr>
<tr>
<td>Stern, N.</td>
<td>3, 4, 8</td>
</tr>
<tr>
<td>Sterner, T.</td>
<td>8, 17, 171</td>
</tr>
<tr>
<td>stewardship</td>
<td>408, 409</td>
</tr>
<tr>
<td>Stiglitz, J.</td>
<td>210</td>
</tr>
<tr>
<td>Stulwell, F.</td>
<td>13, 14, 15, 16</td>
</tr>
<tr>
<td>Stirling, A.</td>
<td>351</td>
</tr>
<tr>
<td>Stoffwechsel</td>
<td>410–15</td>
</tr>
<tr>
<td>Stoicim</td>
<td>421, 422, 438, 442</td>
</tr>
<tr>
<td>Stokes, G.</td>
<td>87</td>
</tr>
<tr>
<td>Stokke, O.S.</td>
<td>329, 334–5, 336</td>
</tr>
<tr>
<td>‘stranded-asset’ problem</td>
<td>311–12</td>
</tr>
<tr>
<td>substitution</td>
<td>7, 8, 16–17</td>
</tr>
<tr>
<td>and energy inequality</td>
<td>28</td>
</tr>
<tr>
<td>sufficiency</td>
<td>7, 8, 9, 10, 12, 16</td>
</tr>
<tr>
<td>costs</td>
<td>26–7</td>
</tr>
<tr>
<td>and energy inequality</td>
<td>24–5</td>
</tr>
<tr>
<td>Suits, D.B.</td>
<td>77</td>
</tr>
<tr>
<td>sulphur dioxide (SO2) taxes,</td>
<td>distributional effects 160–61, 171</td>
</tr>
<tr>
<td>sustainability, and social economy</td>
<td>276–9</td>
</tr>
<tr>
<td>sustainable development</td>
<td>251–2, 376–8</td>
</tr>
<tr>
<td>Cuba</td>
<td>257–60</td>
</tr>
<tr>
<td>discussions on</td>
<td>10–12</td>
</tr>
<tr>
<td>ideology</td>
<td>184–9, 190–92, 193–4</td>
</tr>
<tr>
<td>international variation and role of welfare state</td>
<td>29–36</td>
</tr>
<tr>
<td>see also</td>
<td>education for sustainable development; multi-stakeholder model</td>
</tr>
<tr>
<td>sustainable exploitation</td>
<td>408–9, 415</td>
</tr>
<tr>
<td>Sutton, P</td>
<td>176, 177</td>
</tr>
<tr>
<td>Sweden</td>
<td>equality/inequality effects of green taxes 168–72</td>
</tr>
<tr>
<td></td>
<td>green tax reform 162–3</td>
</tr>
<tr>
<td></td>
<td>housing and heating allowances 53</td>
</tr>
<tr>
<td></td>
<td>revenues from environmentally related taxes 159, 160</td>
</tr>
<tr>
<td></td>
<td>sustainable development performance 262–3</td>
</tr>
<tr>
<td></td>
<td>water pricing 130, 131</td>
</tr>
<tr>
<td></td>
<td>welfare regime 33</td>
</tr>
<tr>
<td>Switzerland, water pricing</td>
<td>130, 131</td>
</tr>
<tr>
<td>Syme, G.J.</td>
<td>322, 323</td>
</tr>
<tr>
<td>systemic policy framing</td>
<td>408, 410</td>
</tr>
<tr>
<td>Tamm Hollström, K.</td>
<td>351, 353, 359, 361, 362, 363, 367, 368, 369, 370</td>
</tr>
<tr>
<td>tax design, green taxes</td>
<td>156–8, 160–63, 166, 169–70</td>
</tr>
<tr>
<td>Taylor, P.L.</td>
<td>365</td>
</tr>
<tr>
<td>techno-centrism</td>
<td>377</td>
</tr>
<tr>
<td>technologies</td>
<td>development of 8, 9, 12, 14, 28–9, 157, 158, 330–33</td>
</tr>
<tr>
<td></td>
<td>information on 27</td>
</tr>
<tr>
<td>teleology</td>
<td>422–30, 445–6</td>
</tr>
<tr>
<td></td>
<td>criticisms 433–6</td>
</tr>
<tr>
<td></td>
<td>status 430–33</td>
</tr>
<tr>
<td>temporal inequality</td>
<td>100–102</td>
</tr>
<tr>
<td>Tews, K.</td>
<td>7, 134, 142, 146</td>
</tr>
<tr>
<td>Thailand, effects of prawn farming</td>
<td>232</td>
</tr>
<tr>
<td>thick/thin human needs</td>
<td>405, 408, 413</td>
</tr>
<tr>
<td>Thomson, G.</td>
<td>404</td>
</tr>
<tr>
<td>Tickell, O.</td>
<td>65, 67</td>
</tr>
<tr>
<td>Tietenberg, T.</td>
<td>302</td>
</tr>
<tr>
<td>Toke, D.</td>
<td>278</td>
</tr>
<tr>
<td>Toronto Renewable Energy Co-operative (TREC) Windshare turbine project</td>
<td>292–3</td>
</tr>
<tr>
<td>Townsend, P.</td>
<td>249, 255</td>
</tr>
<tr>
<td>trade agreements, Canada</td>
<td>282–3</td>
</tr>
<tr>
<td>trade caps, water</td>
<td>311–12</td>
</tr>
<tr>
<td>traditional crop production, Latin America</td>
<td>216–17</td>
</tr>
<tr>
<td>‘transition towns’</td>
<td>106</td>
</tr>
<tr>
<td>transnational context, multi-stakeholder model</td>
<td>351, 363–5, 366–8</td>
</tr>
</tbody>
</table>
transport emissions, UK 73–4
distributional implicational of mitigation policies 76–86
inequality of emissions 74–6
transport taxes, distributional effects 66–7, 155–6, 158, 160, 161, 163, 164, 165, 166, 167, 168, 169, 173
transport-related poverty 107–13
Trigona, M. 214
Trondal, J. 334, 345
Trop, R. 380, 393
Tubino, D. 368
Turkey, water pricing 131

UK
cap-and-trade measures 25
carbon taxes 66–7, 156
climate change mitigation policies 58
CO2 emissions by emissions category 73–4
data on CO2 emissions 70–73
distributional implications of CO2 mitigation policies 76–86
energy poverty 35–6, 93
green taxes 156
housing and heating allowances 53
housing and urban densities 104–6
inequality of CO2 emissions 74–6
low carbon building programme 28
packaging waste legislation 264–5
temporal and spatial inequality 98–102
transport-related poverty 107–13
water pricing 130, 131
welfare debate 93
welfare regime 33, 115
see also England; Wales

UK Living Costs and Food Survey (LCF) 70, 71–2
UK National Ecosystem Assessment 105
underconsumption, utilities 133–9

Union of Concerned Scientists 250
United Nations (UN)
Children’s (Emergency) Fund (UNICEF) 256
Classification of Individual Consumption According to Purpose (COICOP) 70

Convention on Biological Diversity 232
Decade for ESD (DESD) 379, 380, 393–5
Development Programme (UNDP) 95, 414
Educational, Scientific and Cultural Organization (UNESCO) 376, 379, 380
Environment Programme (UNEP) 29, 194, 415
Food and Agriculture Organization (FAO) 288
Framework Convention on Climate Change (UNFCCC) 7, 23–4, 62, 176, 182, 191, 232, 233, 235
General Assembly 153
Global Compact 185
Research Institute for Social Development (UNRISD) 416
Universal Declaration of Rights 404
universal needs approach 405, 406–7
Unsworth, R. 105
upstream carbon taxes 65–6, 67
urban areas
air pollution 113
distribution effects of mitigation policies 79–81, 86, 156, 168, 169, 171
water pricing signals 314–18, 323
urban farms, Canada 290–91
urban sprawl 110
and natural environment 105–6
Urry, J. 99
Uruguay, soya bean production 212
US
carbon taxes 67, 68–9
energy poverty initiatives 22–3
environmental justice movement 18
green growth 15, 16
influence on Japanese policy 242
solar power 17
water pricing 130, 131
withdrawal from Kyoto Protocol 233–5
Utting, P. 351, 352, 364
Valente, M. 215–16
value, obligation to 98, 102, 103, 114
van der Heijden, H.-A. 176, 178, 180
Van Steenbergen, B. 403
vehicle taxes, distributional effects 155–6, 158, 160, 161, 163, 164, 165, 166, 167, 168, 173
Victor, P.A. 29, 264
Vietnam, effects of prawn farming 232
Virgil 443
voice
and democracy 98, 102, 103, 114
and exit 124
voluntarism, Canada 274, 282, 283, 285
Wales, education for sustainable development 381–4
Walker, G. 20, 21, 28, 29, 32, 113
Walker, R. 183
Wall, R. 5, 24, 26
Washington Consensus 205, 206, 207, 208–11, 217, 223
Watanabe, R. 234
water policy, Australia
discussion 321–3
environmental, social and economic objectives 308–14
indigenous rights in National Water Initiative 319–20
National Water Initiative 305–7
pricing signals in urban sector 314–18
rise of market-based instruments 301–5
water pricing affordability
affordability discussion for Germany 139–46
average water and wastewater bills in OECD countries 130, 131
concepts of indigence 137, 138
contractual relationship between user and supplier 125–6
household model of affordability 132–5
nature and measurement of affordability 129–39
water as economic and social good 124–9
water scarcity 305, 306–7, 308, 309, 310, 313, 315
water taxes, distributional effects 164, 165, 173
water trading, Australia 306, 308–14, 321–3
wealth 95–6
Weisbach, D. 63, 66, 68
Weisbrot, M. 215
welfare dependency debate 93, 115
welfare regimes, national variations 6–7, 33–6, 48–61
welfare state
factors influencing capabilities 31–2
role in smoothing out inequality 100
role in sustainable development 29–36
welfare system, Japan 235–9, 242, 243–4
Welsch, H. 28, 32, 69
Wentworth Group of Concerned Scientists, Australia 306
Western Europe, participatory governance 352
Wettestad, J. 329, 330, 331, 338, 339, 341
Wheeler, B. 112, 113
White, M. 431
Wier, M. 66, 67, 155, 164
Wild River, S. 300
Williams, R.C. 25, 68, 79, 87, 176, 257, 263
Williamson, J. 207, 208
willingness deficiency-related underconsumption, utilities 134, 135, 139
Wilson, C. 431
Winkler, H. 30, 31, 34, 35, 39
Wittenberg, E. 145, 146
workforce education 31–2
World Bank (WB) 142, 208, 217, 242, 254
International Finance Corporation (IFC) 210
World Commission on Environment and Development (WCED) 376–7
World Trade Organization (WTO) 283  
European Policy Office 178, 179–80, 184, 186, 187, 192, 193  
Wright E.O. 278, 279, 291  
Wright, O. 277–8  
Wurzel, R.K.W. 7, 329  
Wuttunee, W. 286  
Yokkaich Asthma 230  
Young, O.R. 334–5